

**Case C 2583 PCT/US**  
**Serial No. 10/018,274**

from about 5 nanometers to about 500 nanometers.

13. (New) The method of claim 12 wherein the antimicrobial agents are active against gram-positive bacteria.

14. (New) The method of claim 13 wherein the antimicrobial agents are active against *Corynebacterium xerosis*.

15. (New) The method of claim 14 wherein the antimicrobial agents comprise salicylic acid-n-octyl amide, or salicylic acid-n-decyl amide, or combinations thereof.

16. (New) The method of claim 14 wherein the antimicrobial agents comprise 2,4,4'-trichloro-2'-hydroxydiphenyl ether.

17. (New) The method of claim 12 wherein the nanoscale antimicrobial particles are obtained by a process comprising:

(a) adding the antimicrobial agents into a liquid phase to form a liquid mixture, wherein the antimicrobial agents are insoluble in the liquid phase;

(b) heating the liquid mixture to at least a temperature beyond the melting point of the antimicrobial agents;

(c) adding an effective quantity of at least one emulsifier to the liquid mixture to form an emulsion; and

(d) cooling the emulsion to below the melting point of the antimicrobial agents.

18. (New) The method of claim 12 wherein the antimicrobial agents comprise an antimicrobial perfume.

19. (New) The method of claim 12 wherein the antimicrobial agents comprise salicylic acid-n-octyl amide, or salicylic acid-n-decyl amide, or combinations thereof.

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20. (New) The method of claim 12 wherein the nanoscale antimicrobial particles are coated with a coating comprising one or more emulsifiers, or protective colloids, or mixtures thereof.

21. (New) The method of claim 12 wherein the nanoscale antimicrobial particles comprise from about 0.01 wt% to about 5 wt% of the antimicrobial agents based on the total weight of the nanoscale particles.

22. (New) The method of claim 12 wherein the deodorant composition is in the form of a deodorizing aerosol, pump spray, roll-on preparation, or stick preparation.

23. (New) A body deodorant composition comprising nanoscale antimicrobial particles wherein the nanoscale antimicrobial particles comprise one or more antimicrobial agents and have a particle diameter in the range of from about 5 nanometers to about 500 nanometers.

24. (New) The composition of claim 23 wherein the antimicrobial agents are active against *Corynebacterium xerosis*.

25. (New) The composition of claim 24 wherein the nanoscale antimicrobial particles comprise from about 0.01 wt% to about 5 wt% of the antimicrobial agents based on the total weight of the nanoscale particles.

26. (New) The composition of claim 25 wherein the deodorant composition is in the form of a deodorizing aerosol, pump spray, roll-on preparation, or stick preparation.

27. (New) The composition of claim 26 wherein the antimicrobial agents comprise salicylic acid-n-octyl amide, or salicylic acid-n-decyl amide, or combinations thereof.

28. (New) The composition of claim 26 wherein the antimicrobial agents comprise 2,4,4'-trichloro-2'-hydroxydiphenyl ether.

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29. (New) A method of preventing or treating body odors comprising:

(a) providing a deodorant composition comprising nanoscale antimicrobial particles wherein the nanoscale antimicrobial particles comprise one or more antimicrobial agents and have a particle diameter in the range of from about 5 nanometers to about 500 nanometers; and

(b) applying the deodorant composition to a body.

30. (New) The method of claim 29 wherein the nanoscale antimicrobial particles comprise from about 0.01 wt% to about 5 wt% of the antimicrobial agents based on the total weight of the nanoscale particles.

31. (New) The method of claim 30 wherein the deodorant composition is in the form of a deodorizing aerosol, pump spray, roll-on preparation, or stick preparation.

32. (New) The method of claim 30 wherein the antimicrobial agents comprise salicylic acid-n-octyl amide, or salicylic acid-n-decyl amide, or combinations thereof.

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